

## AMENDMENT

### In the Claims:

Please amend the claims as follows:

Please cancel claims 1-13. Please add the following new claims:

*Sub C-17*  
14. (New) A method to screen a plant extract for compounds that bind selectively to a target which method comprises:

- (a) fractionating a crude plant extract to obtain fractions;
- (b) coating each said fraction individually on a solid support to produce a solid support coated with each said individual fraction, each fraction being coated at a different location on the support;
- (c) contacting said coated solid support with a labeled target to obtain a complex of labeled target and any compound in a fraction that binds said target;
- (d) washing said coated support after step (c) to remove any labeled target not bound to a compound;
- (e) detecting any complex of labeled target and compound that binds to said target at said location.

15. (New) The method of claim 14, which further comprises the step of recovering said compound from the complex.

16. (New) The method of claim 14, wherein the plant extract is from an herb.

17. (New) The method of claim 14, wherein the target is a protein.

*a1*  
18. (New) The method of claim 17, wherein the protein is a glycoprotein.

19. (New) The method of claim 14, wherein the label is biotin.

20. (New) The method of claim 14, wherein the solid support is a plastic plate.

21. (New) A method for screening an extract of *Carthamus tinctorius* for a compound that can bind platelet membrane receptor protein gpIIb/IIIa which method comprises:

- (a) fractioning a crude extract from said *Carthamus tinctorius* to obtain fractions;
- (b) coating each fraction individually on a portion of a solid support to produce a support coated with said individual fractions, each fraction being coated at a different location on the support;
- (c) contacting the solid support with labeled gpIIb/IIIa to form a complex of said labeled gpIIb/IIIa with any compound to which it binds, which compound is contained in a fraction;
- (d) washing said support after step (c) to removed any unbound labeled gpIIb/IIIa; and
- (e) detecting any complex of labeled gpIIb/IIIa with a compound in a fraction of said extract.

22. (New) The method of claim 21, which further comprises recovering said compound from the complex.

23. (New) The method of claim 22, wherein the compound has a molecular weight of 268 gm/mol., is self-polymerizable, exhibits inhibition activity in platelet aggregation, and exhibits *in vivo* anti-thrombotic activity.

24. (New) A compound recovered by the method of claim 22, which has a molecular weight of 268 gm/mol., is self-polymerizable, exhibits inhibition activity in platelet aggregation, and exhibits *in vivo* anti-thrombotic activity.

25. (New) A kit for screening fractions of a plant extract for biologically active compounds which comprises:

- (a) a crude plant extract;
- (b) a gridded solid support for receiving said fractions;
- (c) a labeled target for forming a complex with any fraction containing a biologically active compound;

- Subcs*
- (d) a washing buffer for removing unbound labeled target; and
  - (e) a reagent for detecting label.

26. (New) The kit of claim 25 wherein the solid support is a plastic plate.

27. (New) The kit of claim 25, wherein the label is biotin.

*Al could*

28. (New) The kit of claim 25, wherein the target is a platelet membrane receptor protein.

29. (New) The kit of claim 25, within the crude extract is from an herb.

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